

**Melvin Price Locks and Dam UMR Mile 201**  
**Auxiliary Miter Gate Failure**  
**Weekly Status Report**  
**27 January 2005**

**General Description:** On 3 Oct 2004 the downstream miter gates on the auxiliary lock at Melvin Price Locks & Dam traveled past the mitered position, causing severe damage to the gates.

**Tows Waiting:** Traffic is being passed through the main chamber and no abnormal backlogs are occurring.

**Communication Plan:** The district has set up a web page for this incident that can be accessed through ([www.mvs.usace.army.mil](http://www.mvs.usace.army.mil)).

**Risk Assessment & Mitigation Plan:** A minor repair to the Missouri filling valve in the main chamber will not effect lock operation.

**Helper Boat on Site:** A government-furnished helper boat is on station. All approaching commercial tows are required to use the assistance of this boat at the direction of the Lockmaster to minimize the potential for damage to the main chamber.

**Actions Performed This Week at the Service Base by the Combined Team Crews:**

- Installed temporary enclosures in repair locations on gate leafs
- Onsite inspection of work by potential heat straightening contractors.
- Removed diagonal straps from both leafs
- Removed diagonal plates from Missouri leaf
- Continued preparing gate barge for environmental enclosure
- Removed lower shoes from both leafs

**Actions Scheduled Next Week at the Service Base:**

- Continue repairs of lower seals on both leafs
- Continue preparing gate barge for environmental enclosure
- Prep diagonal plate area for new material

**Upcoming Significant Project Events:**

- Heat Straightening Contract bids to be opened January 26<sup>th</sup>
- Environmental Enclosure to be delivered in two stages to Service Base
- Debris removal Task Order to be issued for Auxiliary Lock upper sill area when tailwater drops below elevation 408.0
- Gate Stop construction contract to be awarded



300' by 82' barge and two heavy cranes support gate leaf repairs at the District Service Base



Service Base Combined Team crews working on Missouri Leaf diagonal straps and plates